

Office of Sustainability FY 2016 Proposed Budget

August 25, 2015

Presented By Douglas Melnick, CSO, AICP, CNU-A

*“ENHANCING THE ENVIRONMENT, QUALITY OF LIFE, AND ECONOMIC VITALITY THROUGH
INNOVATIVE PROGRAMS AND POLICIES FOR ALL RESIDENTS, AS WELL AS FUTURE
GENERATIONS.”*



FY2015 Accomplishments



POOL & SPA NEWS

News Builders Retailers Service Products Classifieds Resource Center

ENERGY EFFICIENCY

Hot Topics: [Masters of Design](#) | [Top 50 Builders](#)

From: Pool and Spa News July 24 2015 | Posted on: July 22, 2015

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QMR/ENERGY EFFICIENCY

Study in Alamo City

Findings from a retrofit and study in San Antonio could forward efforts to allow variable-speed technology on commercial pools

By Rebecca Robledo



The city of San Antonio has been serious about saving energy.

By 2012, it had begun energy-efficiency and sustainability efforts across many of its properties as it strove both to be a good citizen and reduce annual utilities costs, which had averaged \$33 million. San Antonio's Office of Sustainability had been created in 2011 to help the city become a



City of San Antonio, Texas

A large, stylized graphic of a leaf or plant sprout in a light teal color, positioned on the left side of the slide. It features a central stem with two leaves, each containing a circular cutout.

Framework Moving Forward

-  Buildings
-  Community Values
-  Corporate Responsibility
-  Emissions
-  Energy
-  Market Conditions
-  Mobility
-  Site Development
-  Waste
-  Water

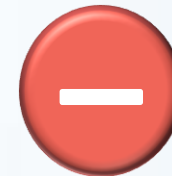


— Data Inputs —→ SROI Process —→ Cost & Benefit Output —

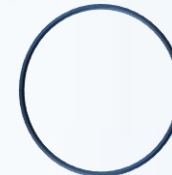
EVALUATION MATRIX



Positive



Negative



Neutral

FY2016 Policy Focus



San Antonians Care About Air

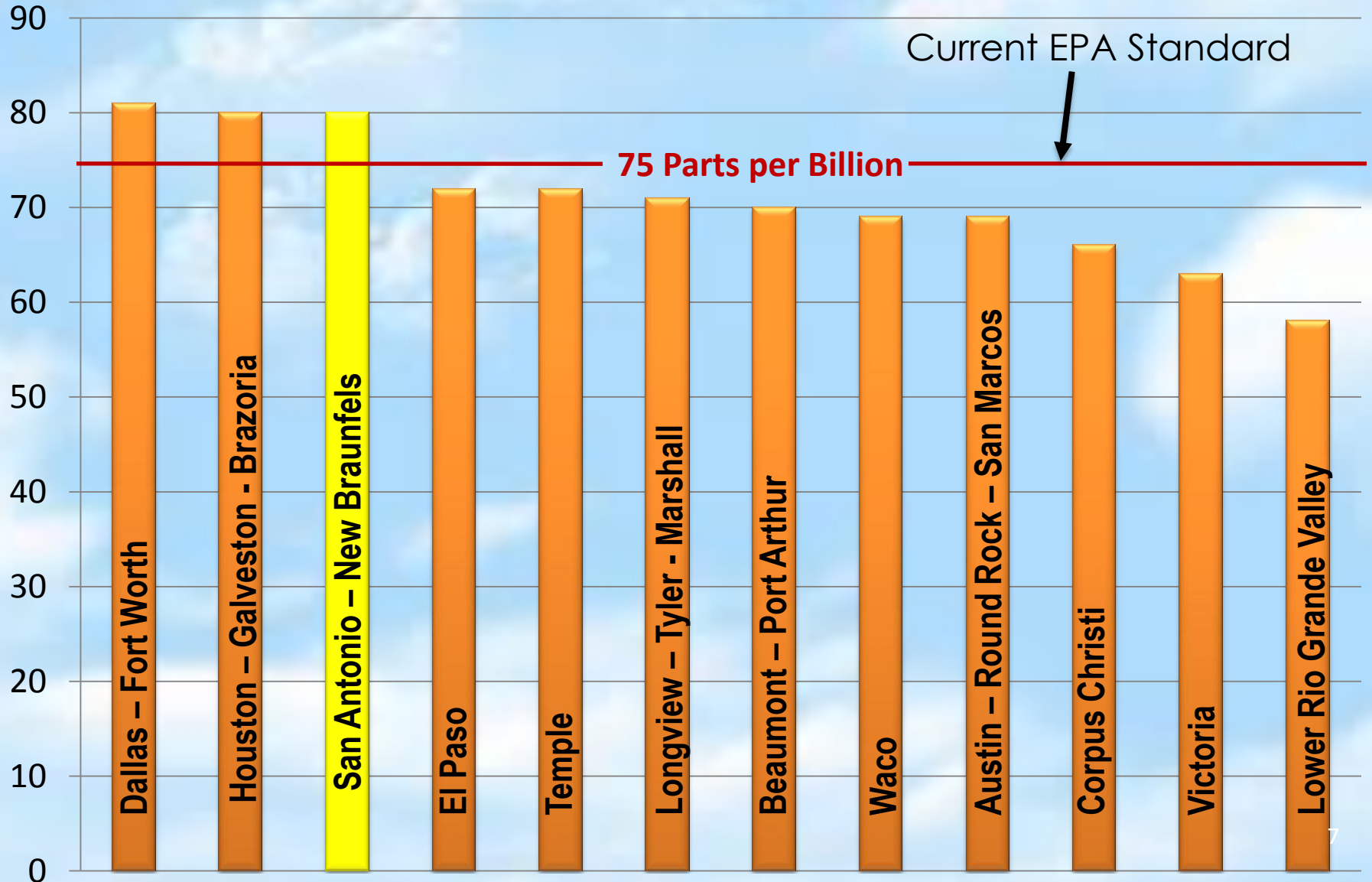
“The community pays costs in degradation of water, air and health resulting in an overall decrease in quality of life.”



“Clean air and water are essential for our health, and a clean, pleasant environment leads to more physical activity-
-even more good health.”



Current Air Quality Standing





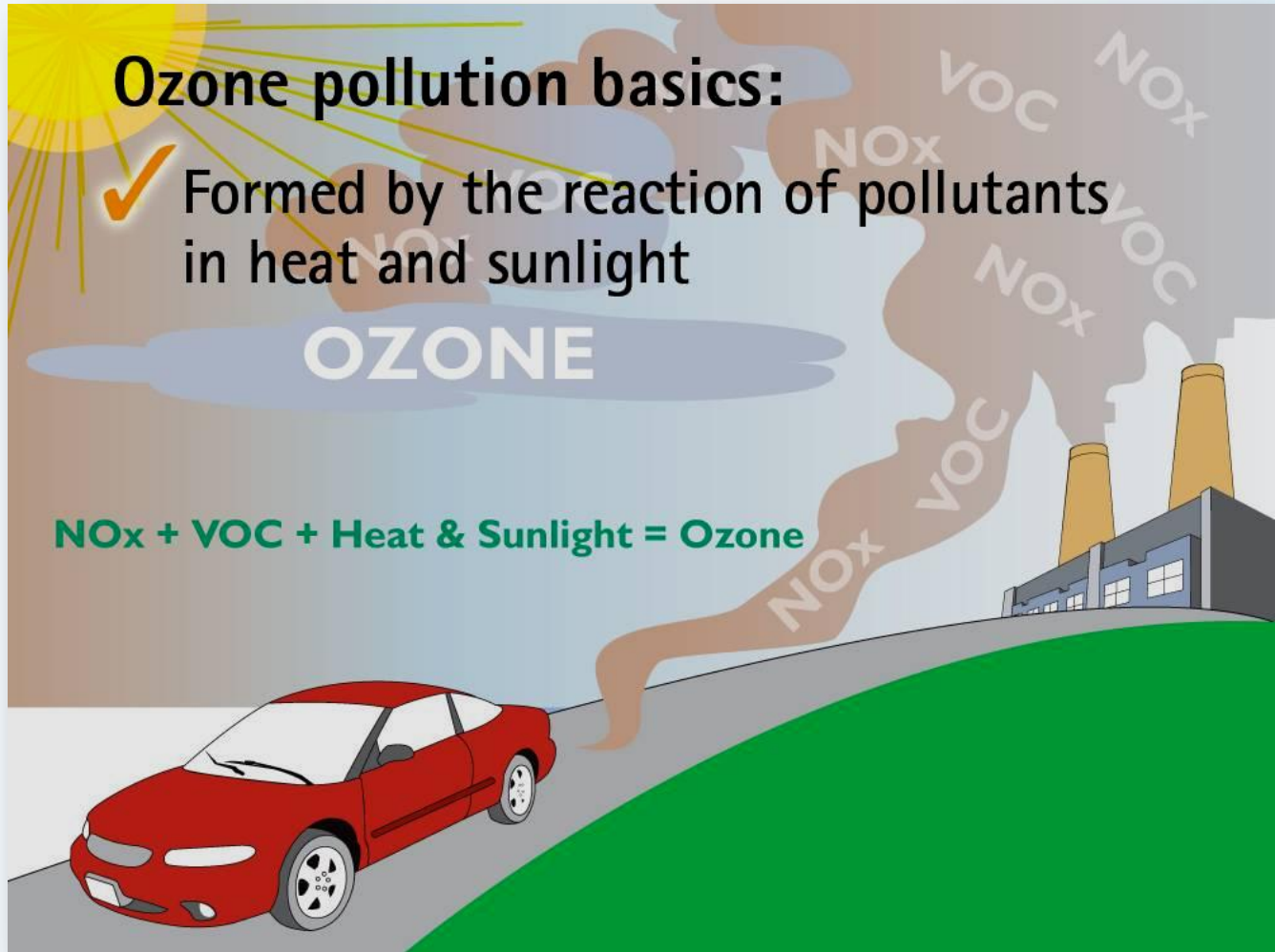
What is Ozone?

Ozone pollution basics:

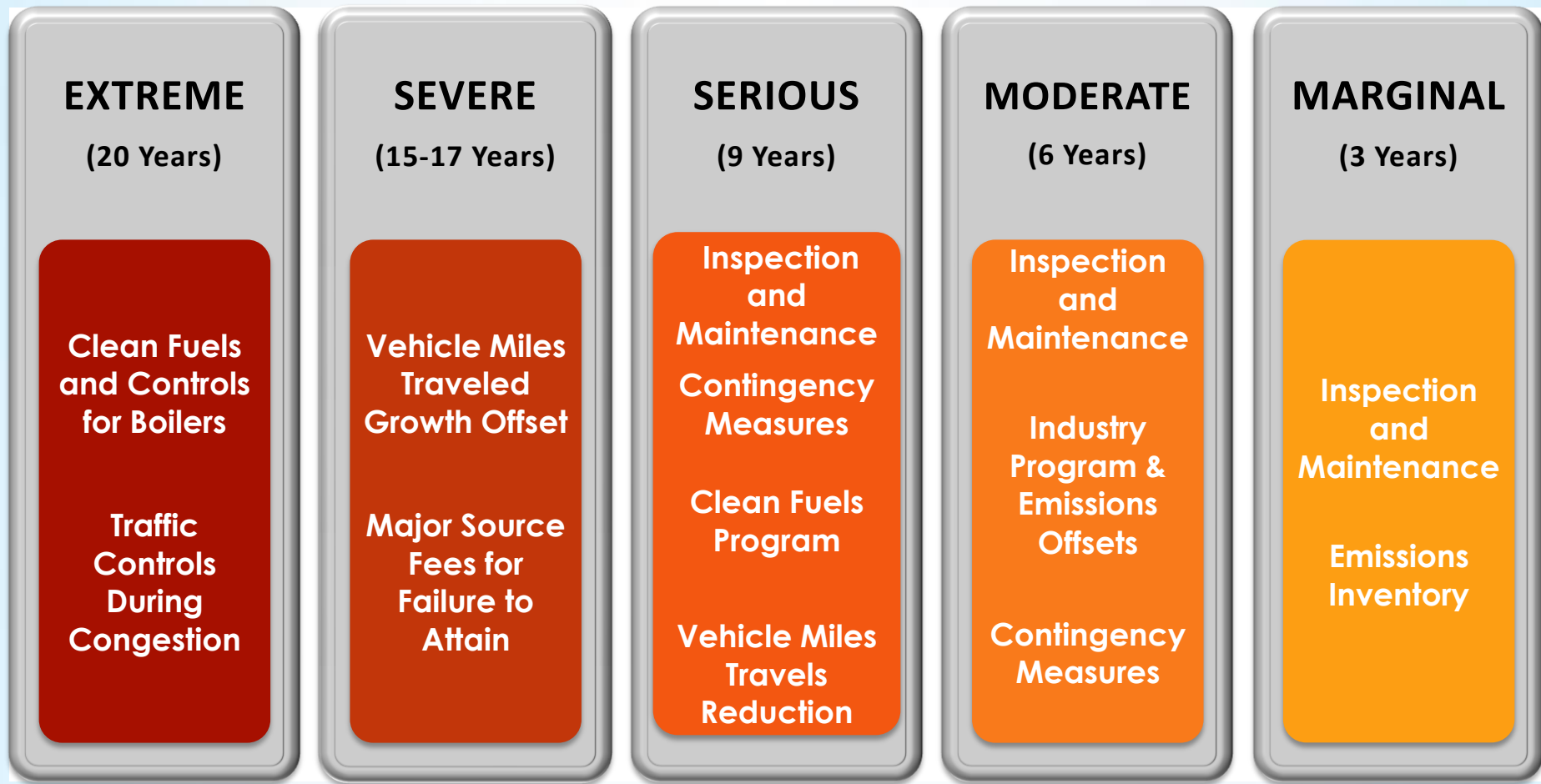
- ✓ Formed by the reaction of pollutants in heat and sunlight

OZONE

NO_x + VOC + Heat & Sunlight = Ozone



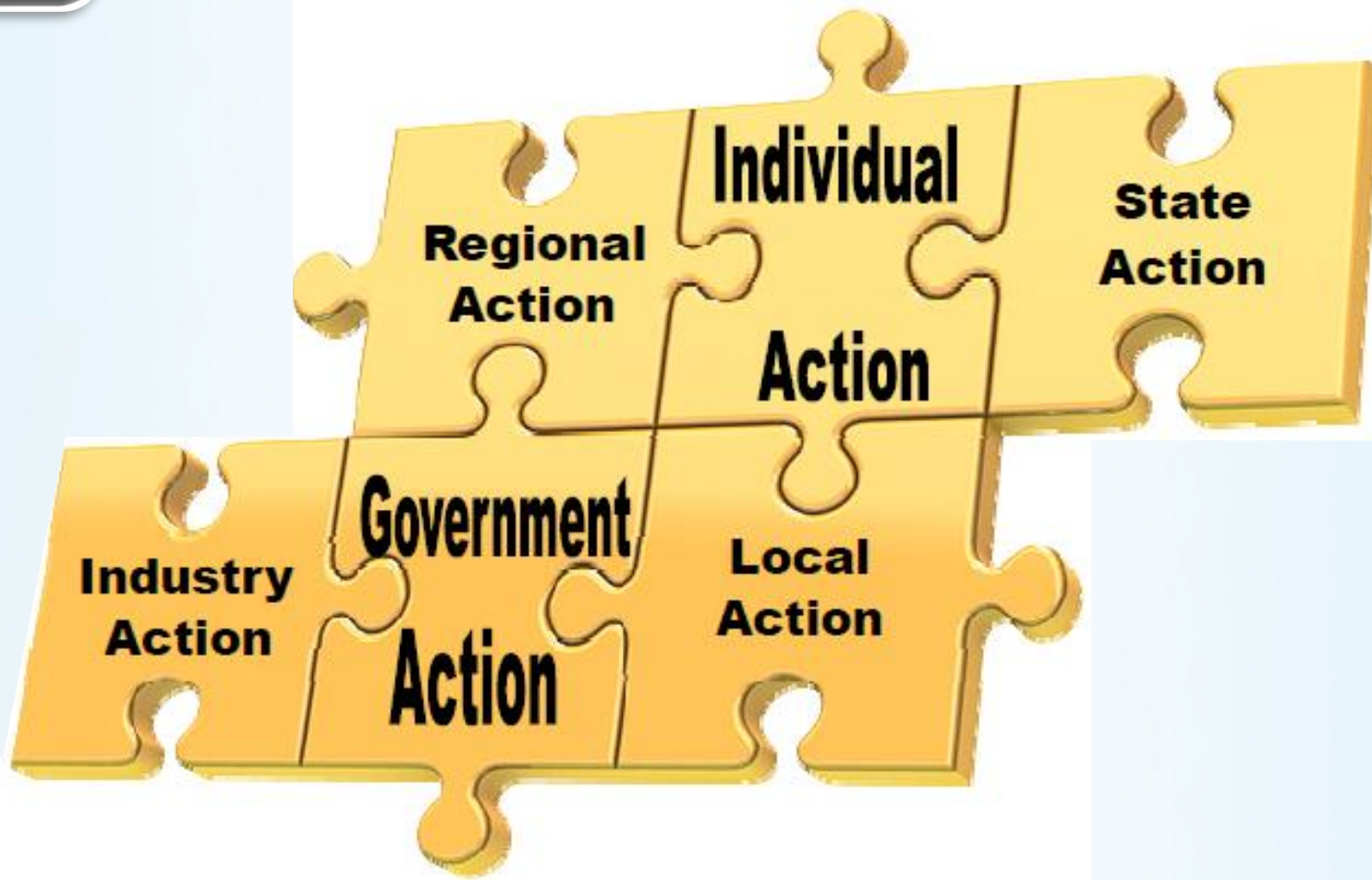
Cost of Nonattainment



Source: U.S. EPA

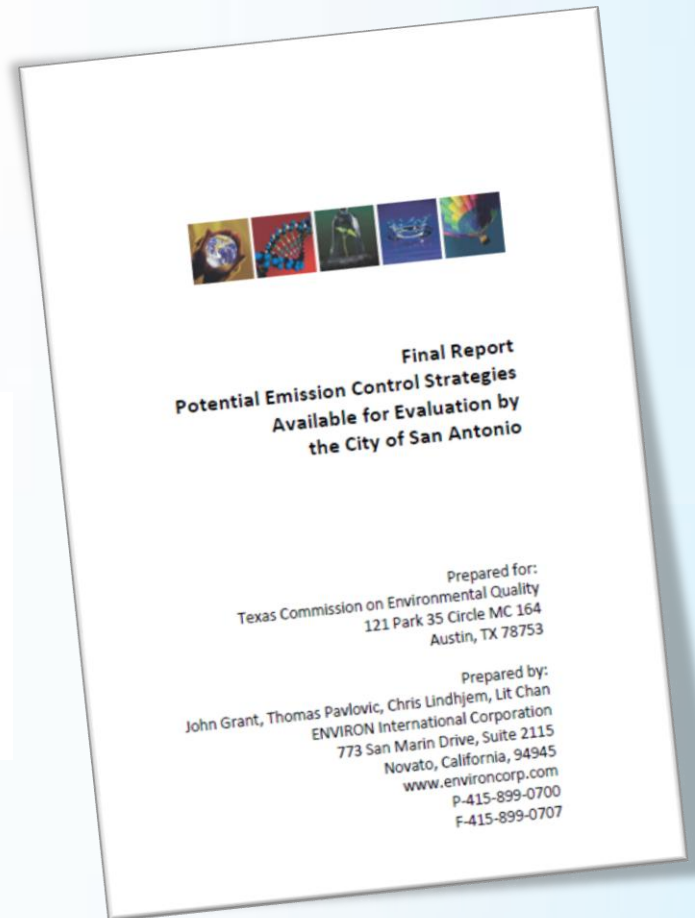


Air Quality: A Multi-Tiered Approach



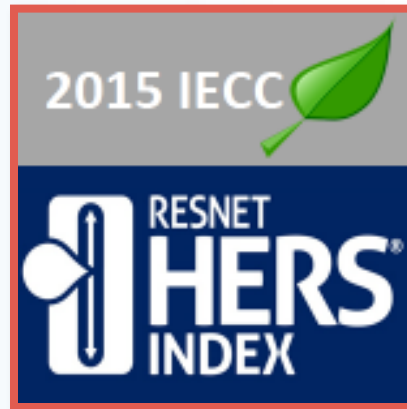


Collaboration





Current Air Quality Initiatives





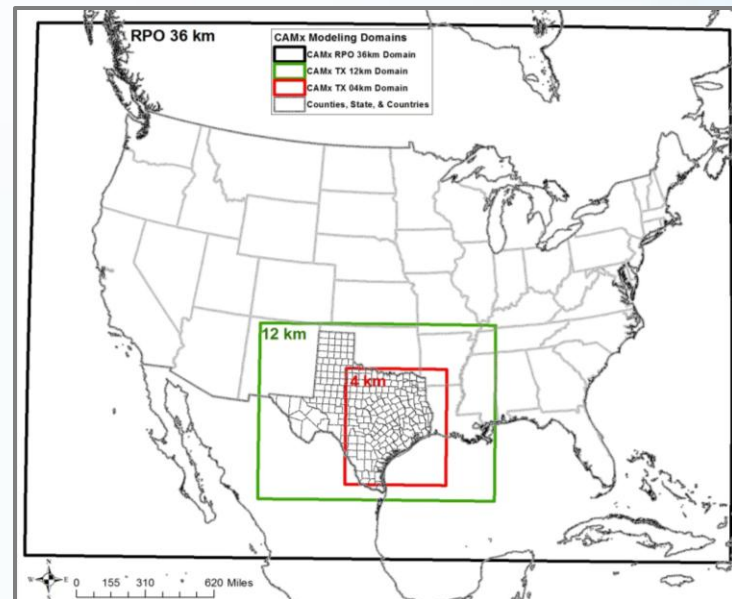
Potential Phase 1 Strategies





Air Quality Next Steps

- Communications Strategy
- Photochemical Modeling
- AACOG Leadership Summit





Energy Efficiency Program

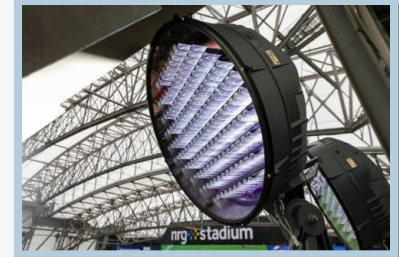


Building Automation



Efficient HVAC

| FY 2010 – 2015 | | Metric |
|-------------------------------|--|-------------|
| Projects Completed | | 376 |
| Facilities Impacted | | 194 |
| Annual Avoided Cost (Savings) | | \$1,385,025 |
| FY 2016 Plan | | |
| Facilities | | 25 |
| Avoided Costs | | \$255,371 |



LED Retrofits



Building Operator Certification



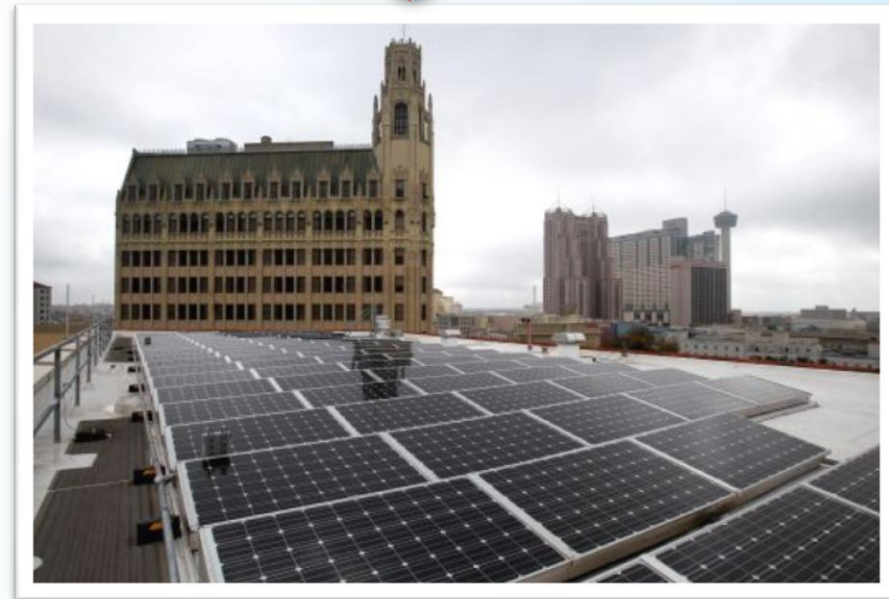
Retro-Commissioning



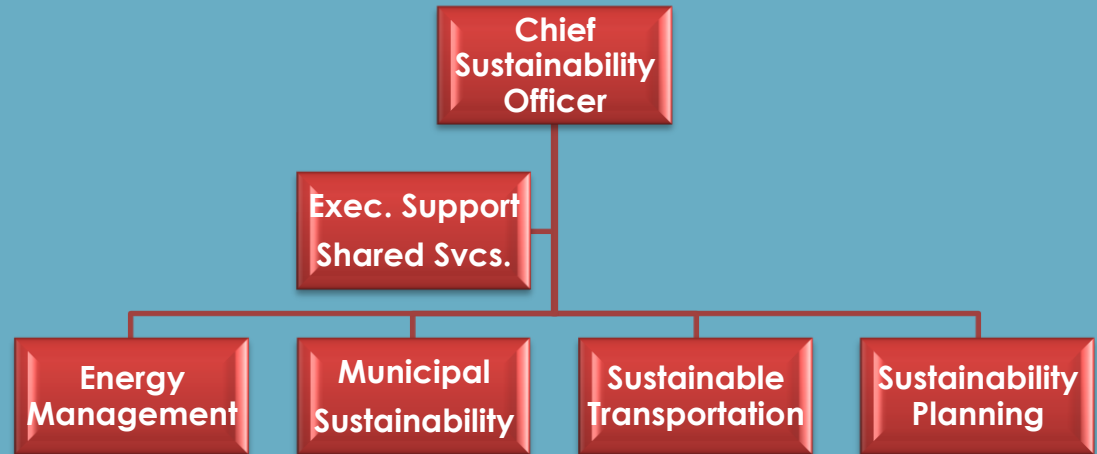
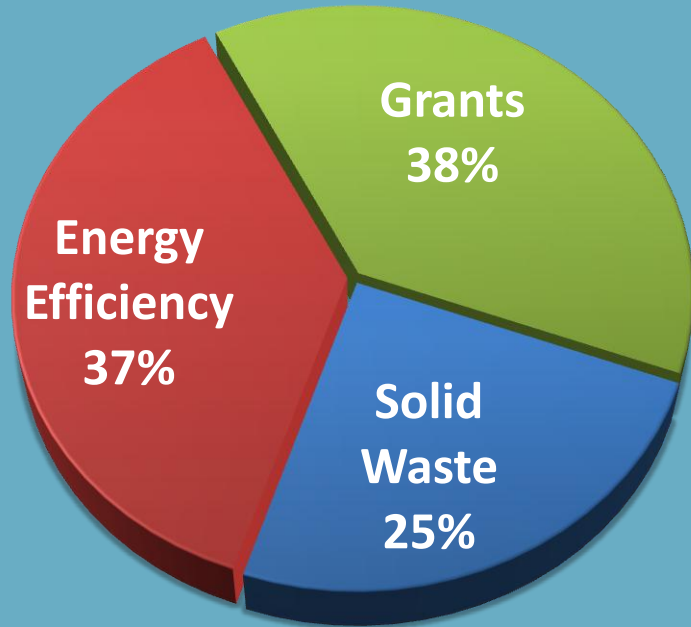
Energy Management Future

2016

- CoSA Facility Design Guidelines and Standards
- CoSA Energy Policy
- Solar for City Facilities



FY 2016 Proposed Budget



| | FY 2015 | FY 2016 | \$ Change |
|-----------|---------|---------|-----------|
| All Funds | \$2.44M | \$3.13M | \$0.68M |
| Positions | 8 | 8 | 0 |

SAN ANTONIO *cycle.*



55
STATIONS



450 BCYCLES
81,766 Day Passes Sold

2,752

Twitter followers

3,089

Facebook Likes



3,091

Annual Members

328,470
TRIPS
TAKEN



39,659,869
CALORIES
BURNED

CO₂

944,564 LBS
CARBON
OFFSET



\$167,799
GAS
SAVED

997,026
MILES
TRAVELED

City of San Antonio, Texas

FY 2016 Improvements

SAN ANTONIO  *cycle*

\$35K
Energy Fund

- Operational support

\$25K
HOT Fund

- Challenge Grant Match



OUTREACH



203.5
TEAM VOLUNTEER
HOURS



81
EVENTS ATTENDED
BY TEAM



24
EVENTS ENDORSED
BY SA2020



TOP 5 CAUSES

CHOSEN BY USERS ON SA2020.ORG



EDUCATION **62%**



ARTS & CULTURE **59%**



HEALTH & FITNESS **58%**



FAMILY WELL-BEING **51%**



DOWNTOWN
DEVELOPMENT **45%**

SA2020.ORG



3,536
TOTAL PROFILES



265
NEW THIS YEAR

Questions?



★ Sustainable San Antonio